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 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  JAN 02  STN pricing information for 2008 now available
 NEWS  3  JAN 16  CAS patent coverage enhanced to include exemplified
                  prophetic substances
 NEWS  4  JAN 28  USPATFULL, USPAT2, and USPATOLD enhanced with new
                  custom IPC display formats
 NEWS  5  JAN 28  MARPAT searching enhanced
 NEWS  6  JAN 28  USGENE now provides USPTO sequence data within 3 days
                  of publication
 NEWS  7  JAN 28  TOXCENTER enhanced with reloaded MEDLINE segment
 NEWS  8  JAN 28  MEDLINE and LMEDLINE reloaded with enhancements
 NEWS  9  FEB 08  STN Express, Version 8.3, now available
 NEWS 10  FEB 20  PCI now available as a replacement to DPCI
 NEWS 11  FEB 25  IFIREF reloaded with enhancements
 NEWS 12  FEB 25  IMSPRODUCT reloaded with enhancements
 NEWS 13  FEB 29  WPINDEX/WPIDS/WPIX enhanced with ECLA and current
                  U.S. National Patent Classification
 NEWS 14  MAR 31  IFICDB, IFIPAT, and IFIUDB enhanced with new custom
                  IPC display formats
 NEWS 15  MAR 31  CAS REGISTRY enhanced with additional experimental
                  spectra
 NEWS 16  MAR 31  CA/CAplus and CASREACT patent number format for U.S.
                  applications updated
 NEWS 17  MAR 31  LPCI now available as a replacement to LDPCI
 NEWS 18  MAR 31  EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 19  APR 04  STN AnaVist, Version 1, to be discontinued
 NEWS 20  APR 15  WPIDS, WPINDEX, and WPIX enhanced with new
                  predefined hit display formats
 NEWS 21  APR 28  EMBASE Controlled Term thesaurus enhanced
 NEWS 22  APR 28  IMSRESEARCH reloaded with enhancements
 NEWS 23  MAY 30  INPAFAMDB now available on STN for patent family
                  searching
 NEWS 24  MAY 30  DGENE, PCTGEN, and USGENE enhanced with new homology
                  sequence search option
 NEWS 25  JUN 06  EPFULL enhanced with 260,000 English abstracts
 NEWS 26  JUN 06  KOREAPAT updated with 41,000 documents
 NEWS 27  JUN 13  USPATFULL and USPAT2 updated with 11-character
                  patent numbers for U.S. applications
 NEWS 28  JUN 19  CAS REGISTRY includes selected substances from
                  web-based collections

 NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

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 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 19:31:27 ON 19 JUN 2008

=> file reg
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.21       0.21

FILE 'REGISTRY' ENTERED AT 19:31:48 ON 19 JUN 2008
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DICTIONARY FILE UPDATES:  18 JUN 2008  HIGHEST RN 1029146-45-9

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=>
Uploading C:\Program Files\Stnexp\Queries\10561217a.str

L1      STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 19:32:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       45 TO ITERATE

100.0% PROCESSED       45 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          498 TO     1302
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=>
Uploading C:\Program Files\Stnexp\Queries\10561217b.str

L3      STRUCTURE UPLOADED

=> s l1 full
FULL SEARCH INITIATED 19:32:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      1100 TO ITERATE

100.0% PROCESSED     1100 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

L4             3 SEA SSS FUL L1

=> s l3 full
FULL SEARCH INITIATED 19:32:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      1100 TO ITERATE

100.0% PROCESSED     1100 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01
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L5            0 SEA SSS FUL L3

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       356.72     356.93

FILE 'CAPLUS' ENTERED AT 19:32:55 ON 19 JUN 2008
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FILE COVERS 1907 - 19 Jun 2008  VOL 148 ISS 25
FILE LAST UPDATED: 18 Jun 2008  (20080618/ED)

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http://www.cas.org/legal/infopolicy.html

=> s l4
L6            2 L4

=> d bib abs hitstr 1-2 l6

L6   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   2004:1156566  CAPLUS
DN   142:94061
TI   Preparation of pyrazole glycoside compounds as SGLT inhibitors
IN   Kikuchi, Norihiko; Fujikura, Hideki; Tazawa, Shigeki; Yamato, Tokuhisa;
     Isaji, Masayuki
PA   Kissei Pharmaceutical Co., Ltd., Japan
SO   PCT Int. Appl., 105 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
PAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   WO 2004113359        A1    20041229    WO 2004-JP8695         20040615
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             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     CA 2529878             A1    20041229    CA 2004-2529878        20040615
     EP 1637539             A1    20060322    EP 2004-746165         20040615
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     US 20070060531         A1    20070315    US 2006-561217         20061113
PRAI JP 2003-175663         A     20030620
     WO 2004-JP8695         W     20040615
OS   MARPAT 142:94061
GI
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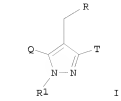

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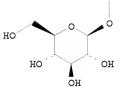


II

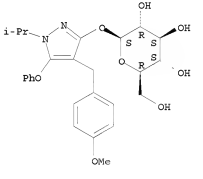
AB Title compds. I [R1 = H, (un)substituted alkyl, etc.; one of Q and T is II, etc.; the other is Z-Ar; Z = O, etc.; Ar = aryl, etc.; R = (un)substituted cycloalkyl, etc.] were prepared For example, glycosidation of 1-isopropyl-4-(4-methoxybenzyl)-5-phenoxyl-1,2-dihydro-3H-pyrazol-3-one by 2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl bromide in the presence of benzyltributylammonium chloride followed by deacetylation using sodium methoxide afforded compound I [R1 = isopropyl; R = 4-methoxyphenyl; Q = phenoxy; T = II]. In SMINT inhibition assays, the IC50 value of compound I [R1 = isopropyl; R = 4-methoxyphenyl; Q = phenoxy; T = II] was 700 nM. Of note, compds. I have SGLT inhibition activity (no data provided). Compds. I are claimed useful for the treatment of diabetes, obesity, etc.

IT 815581-48-7P 815581-49-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazole glycoside compds. as SGLT inhibitors for treatment of diabetes and obesity)

RN 815581-48-7 CAPLUS

CN β-D-Glucopyranoside, 4-[(4-methoxyphenyl)methyl]-1-(1-methylethyl)-5-phenoxy-1H-pyrazol-3-yl (CA INDEX NAME)

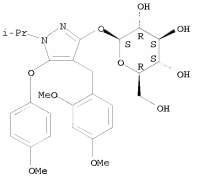
Absolute stereochemistry.



RN 815581-49-8 CAPLUS

CN β-D-Glucopyranoside, 4-[(2,4-dimethoxyphenyl)methyl]-5-(4-methoxyphenoxy)-1-(1-methylethyl)-1H-pyrazol-3-yl (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:311011 CAPLUS
DN 140:321649
TI Preparation of pyrazolyl glycoside derivatives as inhibitors of 1,5-anhydroglucitol/fructose/mannose transporters
IN Fujikura, Hideki; Kikuchi, Norihiko; Tazawa, Shigeki; Yamato, Tokuhisa; Isaji, Masayuki
PA Kissei Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 159 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004031203	A1	20040415	WO 2003-JP12477	20030930
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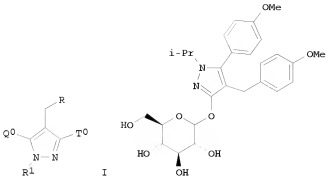
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2500873	A1	20040415	CA 2003-2500873	20030930
	AU 2003272903	A1	20040423	AU 2003-272903	20030930
	EP 1550668	A1	20050706	EP 2003-753967	20030930
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 20060128635	A1	20060615	US 2005-529895	20050919
PRAI	JP 2002-293090	A	20021004		
	JP 2002-330694	A	20021114		
	JP 2002-378959	A	20021227		
	WO 2003-JP12477	W	20030930		

OS MARPAT 140:321649
GI



I II

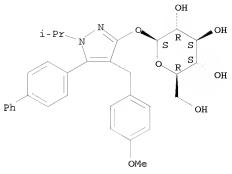
AB The title compds. [I; R = each (un)substituted C3-8 cycloalkyl, C6-10 aryl, C2-9 heterocycloalkyl, or C1-9 heteroaryl; R1 = H, each (un)substituted C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl, C3-8 cycloalkyl, C6-10 aryl, C2-9 heterocycloalkyl, or C1-9 heteroaryl; one of Q0 and T0 = α- or β-D-glucopyranosyloxy or -mannopyranosyloxy or β-D-deoxyglucopyranosyloxy- and the other = (CH2)nAr; wherein Ar = each (un)substituted C6-10 aryl or C1-9 heteroaryl; n = an integer of 0-2] or pharmacol. acceptable salts or prodrugs thereof are prepared Also disclosed are medicinal composition containing the compound I, medicinal use thereof, and intermediates in producing the same. These compds. exerts an excellent effect of inhibiting human 1,5-anhydroglucitol/fructose/mannose transporters and inhibit reabsorption or cellular uptake of glucose, fructose, and mannose in kidney or absorption of these saccharide small intestine and inhibit the increase in blood sugar. Therefore, they are useful as preventives, progress inhibitors or remedies for a disease caused by the over intake of at least one saccharide selected from among glucose, fructose, and mannose or a disease caused by hyperglycemia (diabetic complication, diabetes, or diabetic nephropathy). Thus, glycosidation of 1-isopropyl-5-(4-methoxyphenyl)-4-[(4-methoxyphenyl)methyl]-1,2-dihydro-3H-pyrazol-3-one by acetobromo-α-D-glucose in the presence of benzyltributylammonium bromide in a mixture of CH2Cl2 and 5 N aqueous NaOH at room temperature for 1.5 h followed by treatment of the product with NaOMe in MeOH gave 3-(β-D-glucopyranosyloxy)-1-isopropyl-5-(4-methoxyphenyl)-4-[(4-methoxyphenyl)methyl]-1H-pyrazole (II). II in vitro inhibited the uptake of [14C]methyl α-D-glucopyranoside in COS-7 cells transfected with human SMINT/PME18S-FL expression plasmid with IC50 of 92 nM.

IT 678993-95-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazolyl glycoside derivs. as inhibitors of 1,5-anhydroglucitol/fructose/mannose transporters and preventives, progress inhibitors or remedies for diabetic complication, diabetes, or diabetic nephropathy)

RN 678993-95-8 CAPLUS

CN β-D-Glucopyranoside, 5-[1,1'-biphenyl]-4-yl-4-[(4-methoxyphenyl)methyl]-1-(1-methylethyl)-1H-pyrazol-3-yl (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT